

J1036 U.S. PTO
09/785738
02/16/01

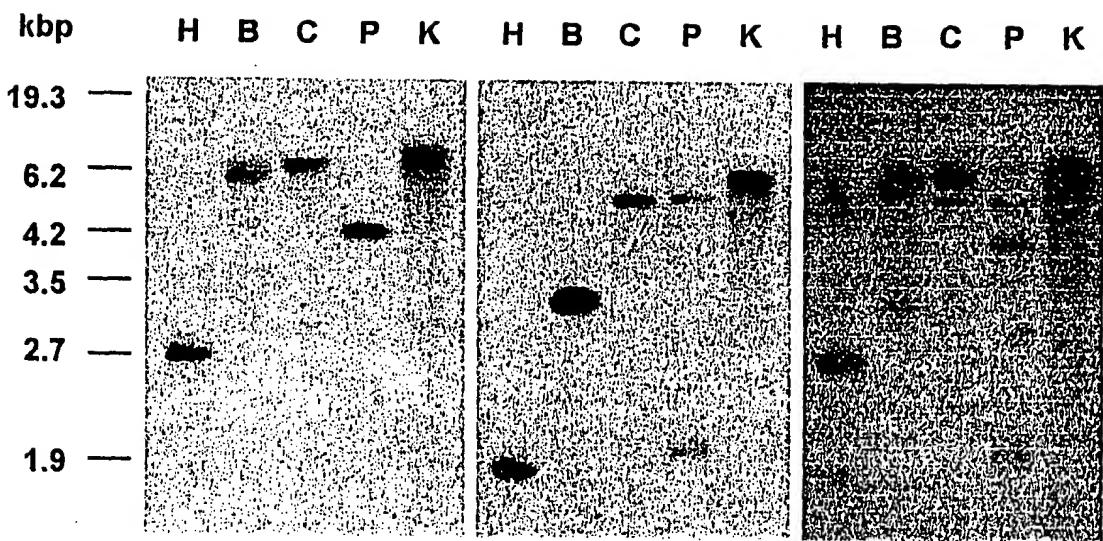



Fig.2

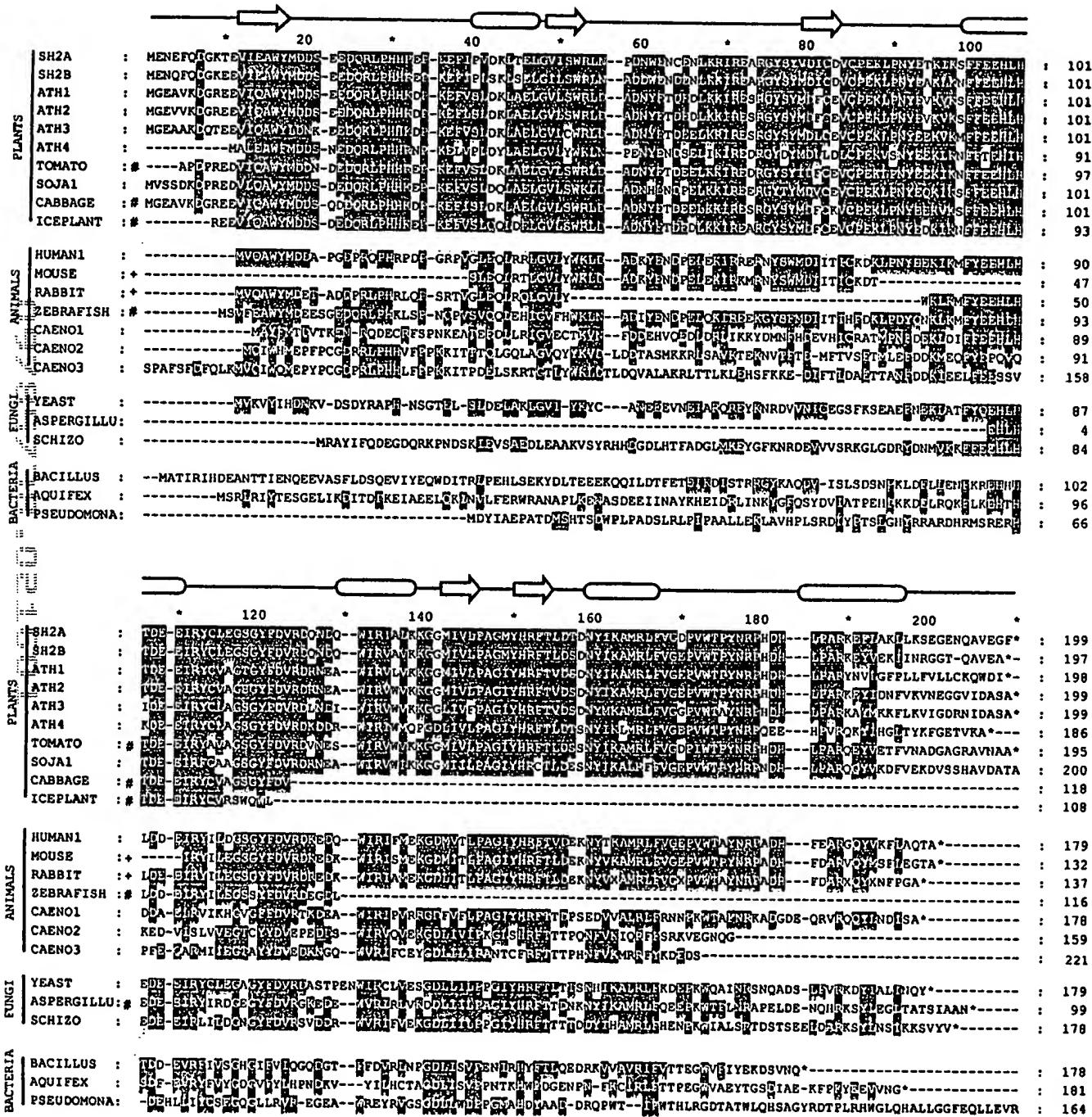


Fig.3

	SH2A	SH2B	ATH1	ATH2	ATH3	ATH4	HUMAN	CAENO1	CAENO2	CAENO3	SCHIZO	SCEREV	BACSUB	AQUFEX	PSEUDO
Oryza sativa SH2A	84 (93)	70 (86)	71 (87)	67 (83)	69 (74)	60 (87)	30 (49)	20 (36)	23 (46)	33 (46)	32 (51)	17 (33)	14 (29)	14 (24)	
Oryza sativa SH2B	84 (93)	75 (87)	75 (88)	70 (84)	60 (78)	54 (88)	31 (49)	20 (38)	24 (47)	31 (44)	33 (50)	18 (33)	14 (29)	14 (24)	
Arabidopsis thaliana 1	70 (85)	75 (87)	92 (95)	80 (88)	57 (73)	56 (88)	32 (52)	20 (38)	26 (47)	33 (45)	35 (51)	18 (34)	14 (30)	14 (28)	
Arabidopsis thaliana 2	71 (87)	76 (88)	92 (95)		82 (89)	58 (75)	54 (88)	31 (50)	18 (34)	24 (45)	33 (46)	34 (50)	18 (33)	14 (30)	13 (25)
Arabidopsis thaliana 3	67 (83)	70 (84)	80 (88)	82 (89)		57 (73)	54 (69)	30 (50)	18 (34)	23 (45)	23 (45)	33 (48)	18 (32)	15 (30)	12 (26)
Arabidopsis thaliana 4	59 (74)	60 (75)	57 (73)	58 (75)	57 (73)		54 (70)	34 (53)	23 (46)	24 (41)	27 (41)	39 (58)	19 (32)	18 (30)	12 (24)
Home sapiens	50 (67)	54 (69)	58 (68)	54 (68)	54 (69)	54 (70)		39 (58)	22 (37)	29 (53)	35 (51)	38 (55)	19 (34)	17 (32)	12 (23)
Caenorhabditis elegans 1	30 (49)	31 (48)	32 (52)	31 (50)	30 (50)	34 (53)	39 (58)		15 (29)	23 (46)	36 (51)	32 (49)	18 (35)	20 (33)	11 (25)
Caenorhabditis elegans 2	20 (35)	20 (35)	20 (38)	18 (34)	18 (34)	23 (46)	22 (37)	15 (29)		33 (48)	15 (29)	15 (31)	10 (23)	9 (20)	5 (12)
Caenorhabditis elegans 3	23 (46)	24 (47)	26 (47)	24 (45)	23 (45)	24 (41)	29 (53)	23 (46)	33 (48)		22 (42)	21 (45)	14 (35)	12 (25)	8 (22)
Schizosaccharomyces pombe	33 (46)	31 (44)	33 (45)	33 (46)	33 (48)	27 (41)	35 (51)	38 (51)	15 (29)	22 (42)		37 (58)	18 (38)	20 (34)	14 (28)
Saccharomyces cerevisiae	32 (51)	33 (50)	35 (51)	34 (50)	34 (50)	39 (58)	38 (55)	32 (49)	15 (31)	21 (45)	37 (58)		16 (33)	17 (30)	15 (24)
Bacillus subtilis	17 (33)	18 (33)	18 (34)	18 (33)	18 (32)	19 (32)	19 (34)	18 (35)	10 (23)	14 (35)	18 (36)	16 (33)		28 (48)	6 (19)
Aquifex aeolicus	14 (29)	14 (29)	14 (30)	14 (30)	15 (30)	18 (30)	17 (32)	20 (33)	9 (20)	12 (25)	20 (34)	17 (30)	28 (48)		7 (19)
Pseudomonas aeruginosa	14 (24)	14 (24)	14 (26)	13 (25)	12 (26)	12 (24)	12 (23)	11 (25)	5 (12)	8 (22)	14 (26)	15 (24)	6 (19)		7 (19)
	SH2A	SH2B	ATH1	ATH2	ATH3	ATH4	HUMAN	CAENO1	CAENO2	CAENO3	SCHIZO	SCEREV	BACSUB	AQUFEX	PSEUDO

Fig.4

16 37 50 63 76 89 102 115 128 141 154 167

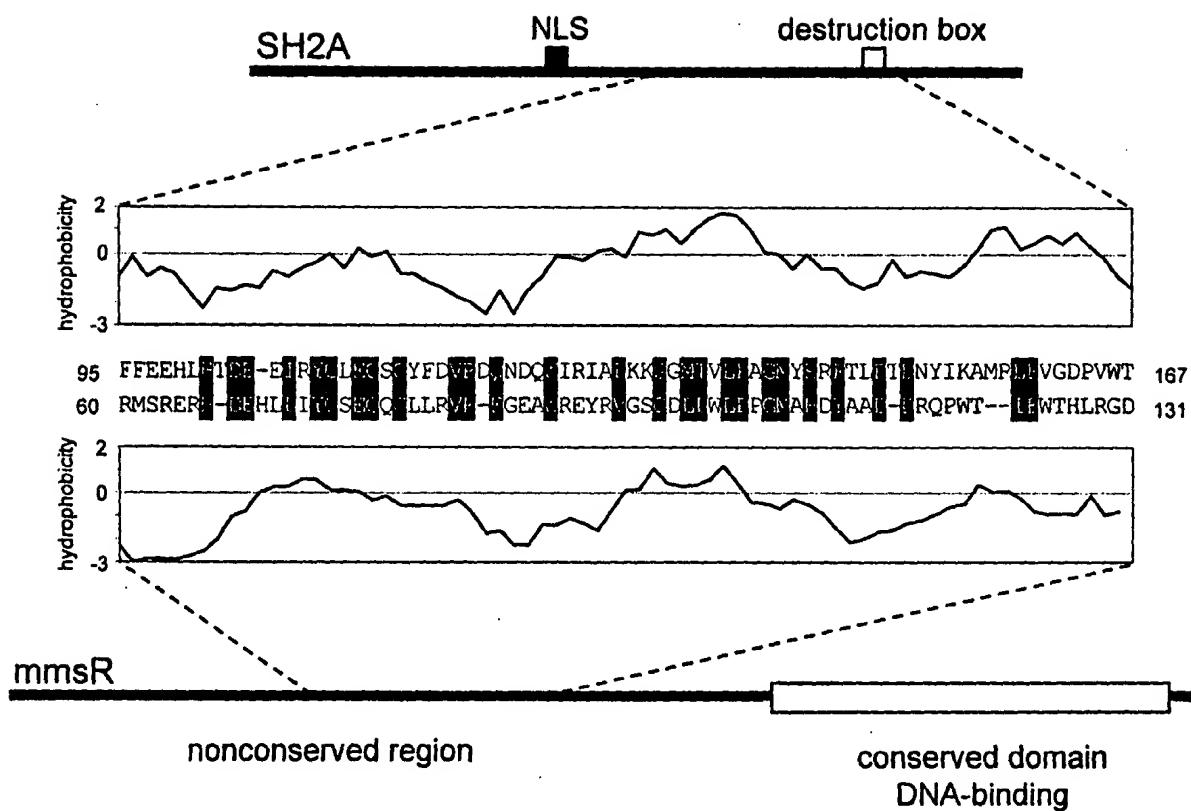
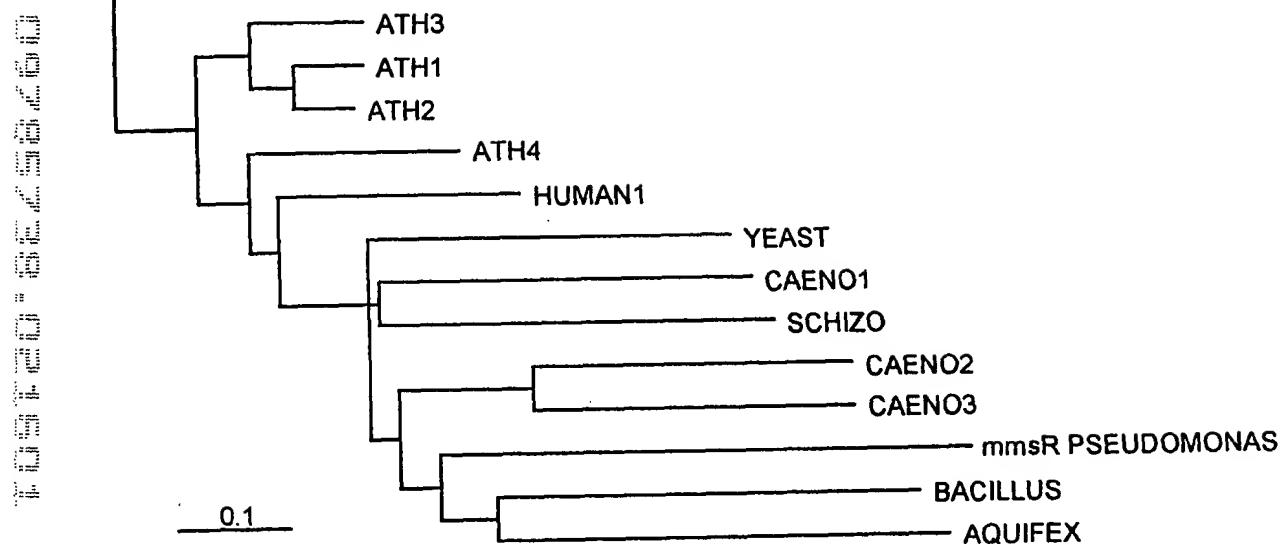


Fig. 5



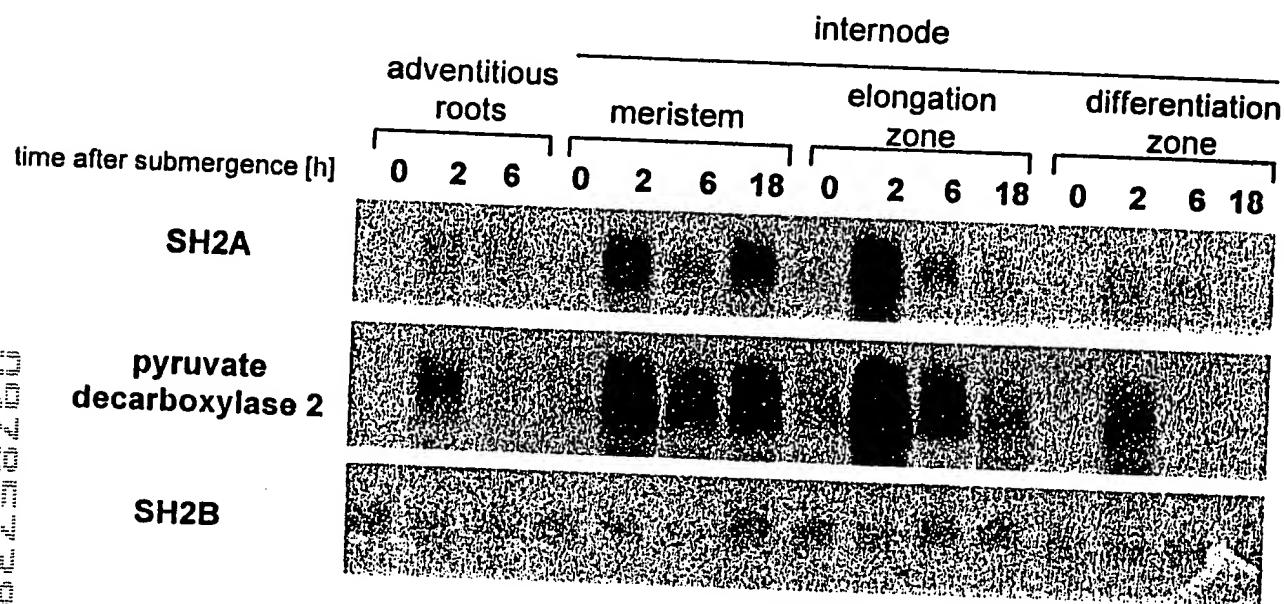


Fig. 6a

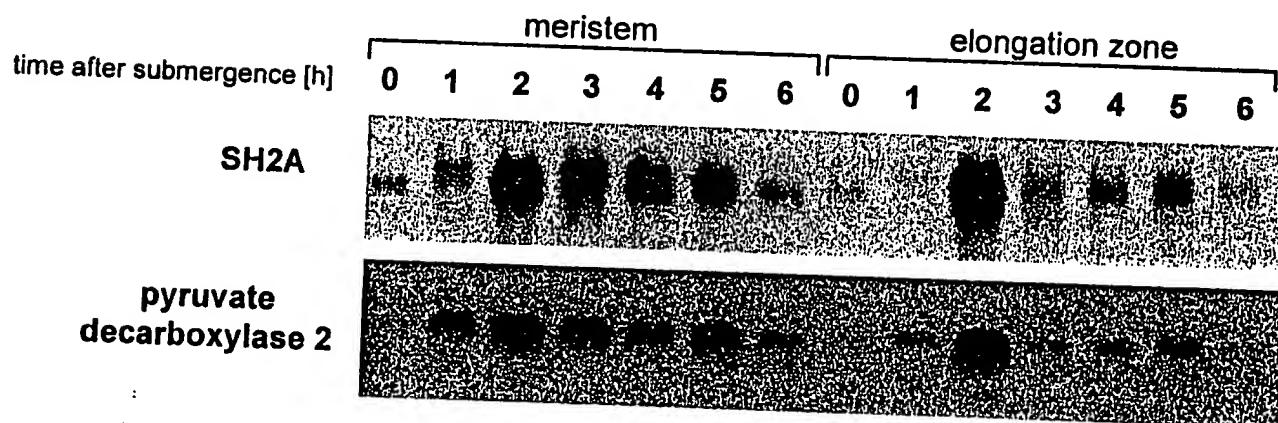
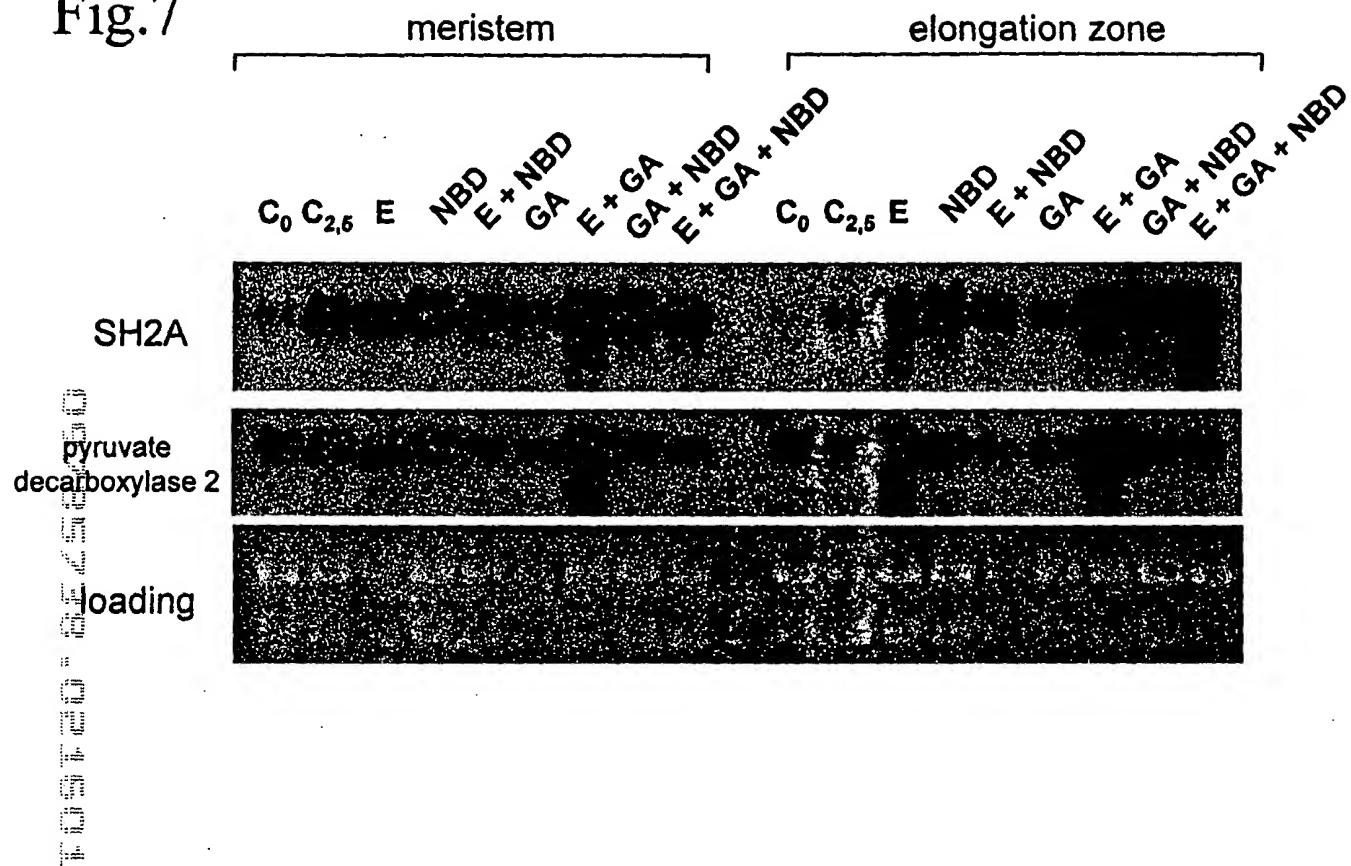


Fig. 6b

Fig. 7



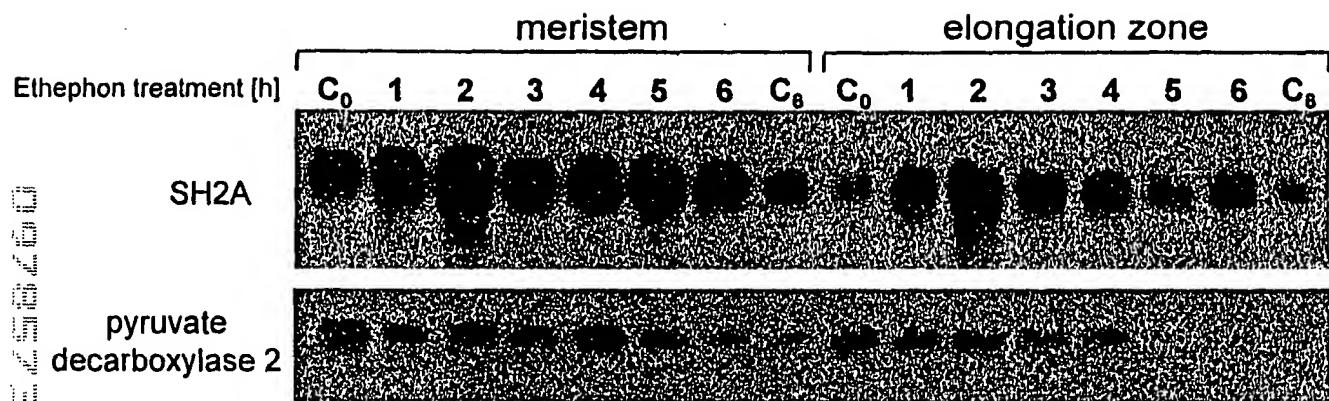


Fig. 8a

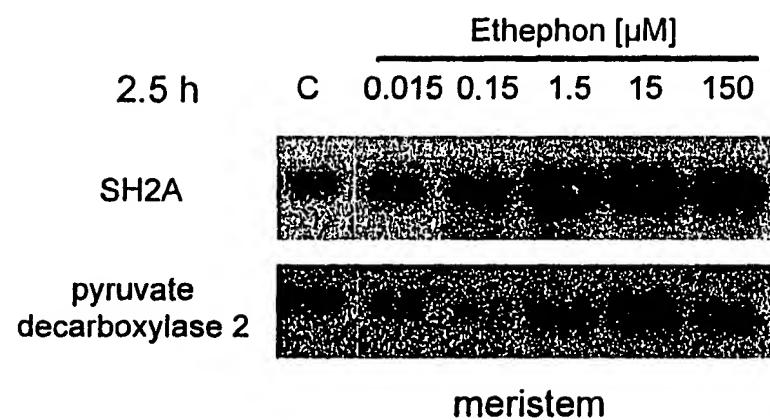


Fig. 8b

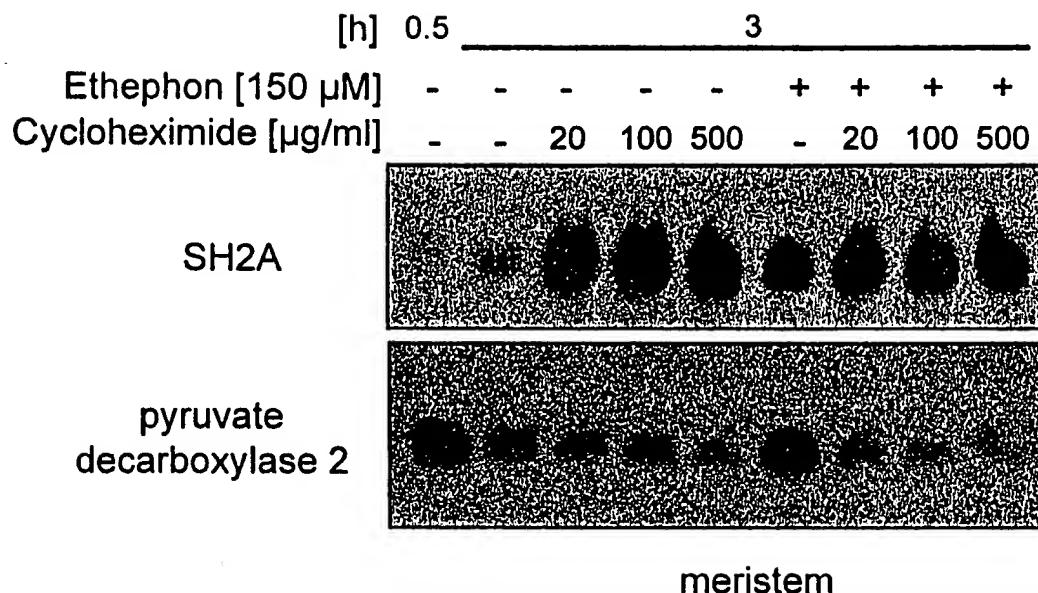


Fig. 9a

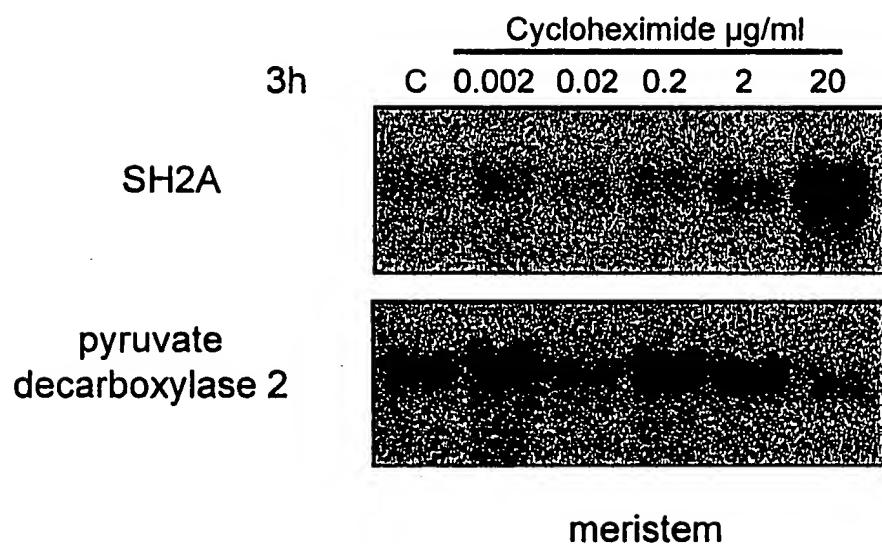


Fig. 9b

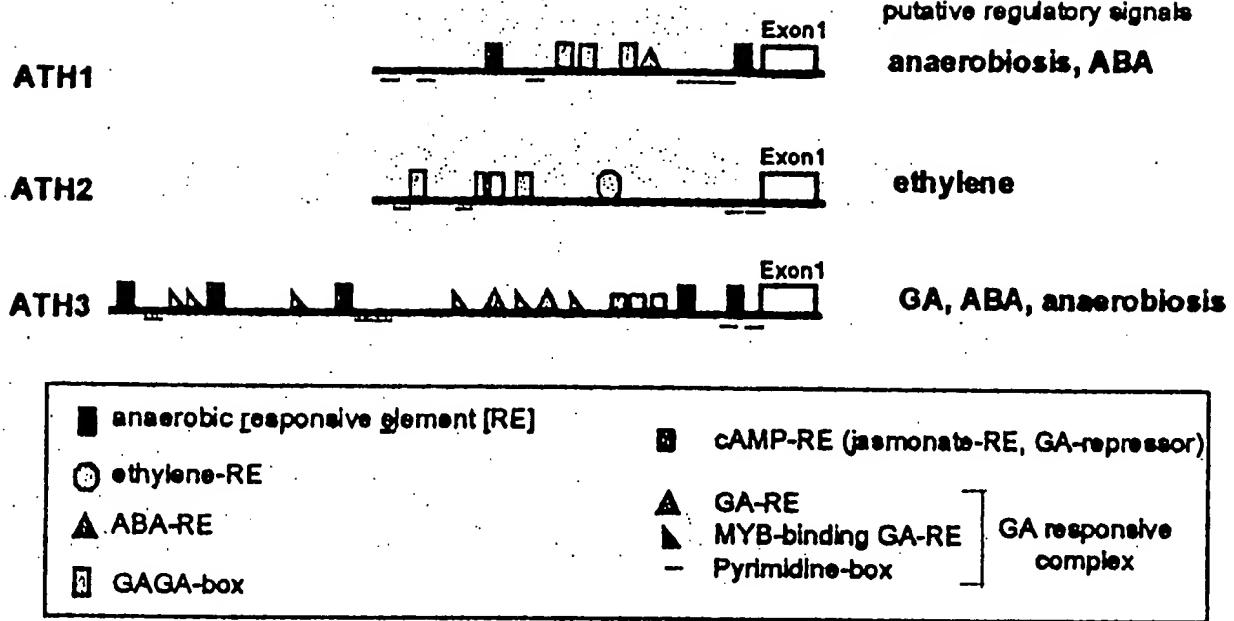


Figure 10